



OBJECTIVES

- o You will be able to
 - Define and Describe the purpose, data, functions, and resources available on the MARS website
 Access the MARS website

 - Filter, create, and export report data in the reports and interactive menus
 - Access supporting documents
 - Create and manage accounts using the account management menu
 - Understand how the data available on MARS can help you to plan for and impact instruction at the district, school, classroom, and student levels.





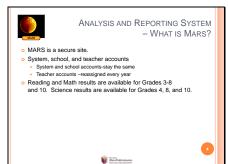
ANALYSIS AND REPORTING SYSTEM - WHAT IS MARS?

- Web-based reporting system
 Supports interactive disaggregation of CRT data
- Tabular and graphic displays of CRT results.
 Data can be exported as .XLS, .CSV, or PDF.
- Data can be expined as .A.S., GSV, or PDF.
 Teachers can be assigned to student rosters so that they can access data for their students (only).
 Data in tables can be manipulated within the browser window without page reload.











ANALYSIS AND REPORTING SYSTEM - WHAT IS MARS?

- The Montana Criterion Referenced Test (CRT) compares a student against the Montana standards for the purpose of improvement in curriculum, instruction, and student learning.

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 Content Tested

 Reading and Math- Grades 3-8 and 10

 Science-Grades 4, 8, 10

 Types of Items on test:

 Multiple choice Reading, Math, and Science

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 Banding, Math, and Science

 The CRT consists of common (scored) and embedded field test items.

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 Field test items.

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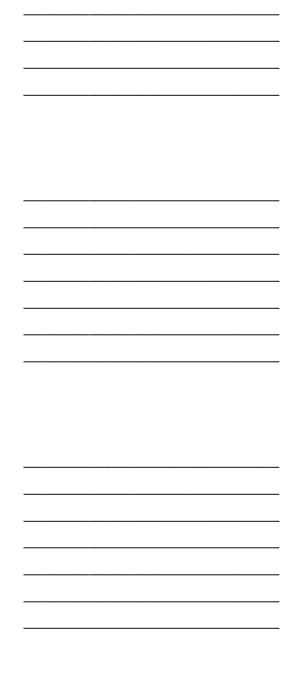
TRANSITION TO THE MONTANA COMMON CORE STANDARDS (MCCS) -SBAC* ASSESSMENT

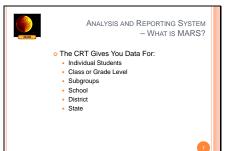
- 2011-12 through 2013-14 the MontCAS will:
 Use the current standards and reporting system
 Progressively align content with the Montana Common Core Standards
 Implement test questions to align with the Montana Common Core Standards
 Provide released field test items aligned to Montana Common Core Standards.
- Sample Items can be found on the SBAC website at the following link:

 SBAC Assessment Sample Items

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ANALYSIS AND REPORTING SYSTEM -CRT DATA ANALYSIS

- · Look for trends, patterns, or clusters in the data.
- Analyze data from multiple choice & constructed response separately.
- Base decisions on more than one data point.
- · Look at data for insight into:

 - Curriculum
 Instruction
 Student Achievement
- · Share the data appropriately







ANALYSIS AND REPORTING SYSTEM -CRT DATA ANALYSIS

- Test Questions
- Questions & answers related to each Montana standard
- Correct answers vs. incorrect answers
 Percentage of correct responses for each standard for multiple choice and constructed response
 Subgroup statistics
- Class or district performance vs. the state results
 The process used by students to arrive at an incorrect
- response
- Proficient student responses vs. non-proficient student responses







ANALYSIS AND REPORTING SYSTEM -CRT DATA ANALYSIS

- o Multiple Choice Questions
- What MT Standard is being assessed?
- What do students need to know to answer the question?
- What strategies would they use to get the correct answer?
- What misconceptions or incorrect processes might lead to each incorrect response?
- · What are the implications for instruction?







ANALYSIS AND REPORTING SYSTEM -CRT DATA ANALYSIS

- o Constructed Response Questions
- What do students need to know to answer the auestion?
- What are the main requirements for a scale 4
- What would be needed to convert a scale 3 response to a scale 4 response?
- · What are the implications for instruction?







ANALYSIS AND REPORTING SYSTEM -RELEASED ITEMS

- Scored items are released annually
- A percentage of test items are released annually.
 There is a Released Items tab within MARS that can be used to access the current year's released items.
 You can view multiple years of released items for each grade and subject on the OPI website at:
- http://opi.mt.gov/Curriculum/MontCAS/index.html?gpm=1_5&tpm =5_2&tpm=4_3
- s5 28tpms4 3

 Click on the year you would like to view for:

 Multiple choice, constructed response, and math short answer items

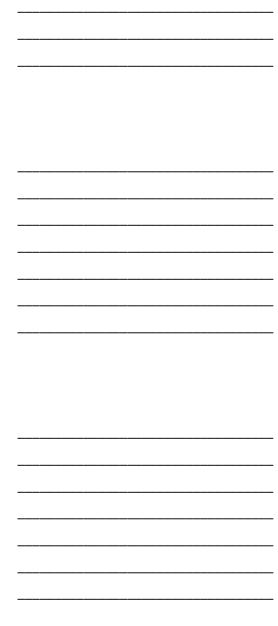
 Math vocabulary, answer keys

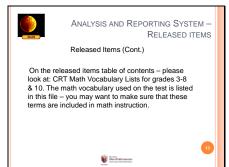
 Scoring rubrics, and examples of student work for constructed response items

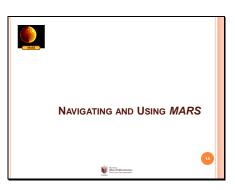
 2012 is the first year that items coded to the MCCS have been made available.

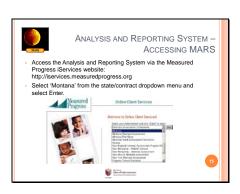








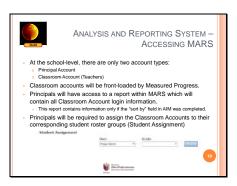


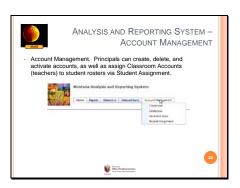




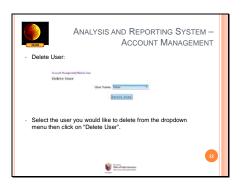


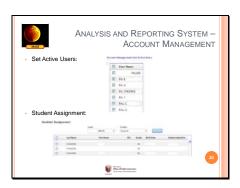


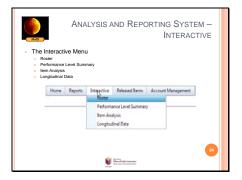


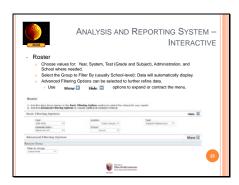


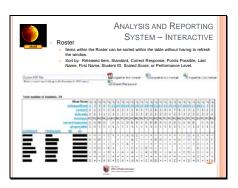


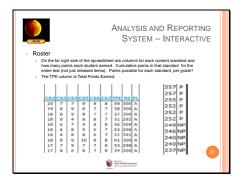


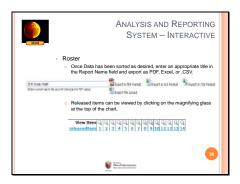


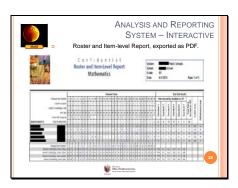


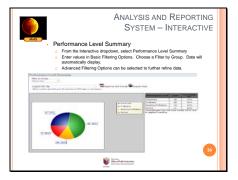




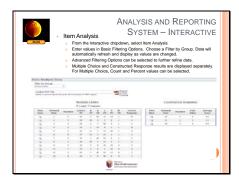


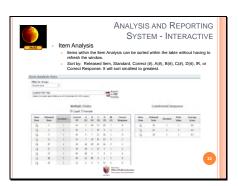


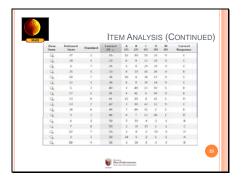


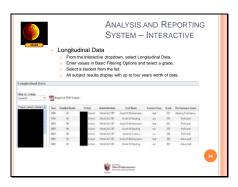


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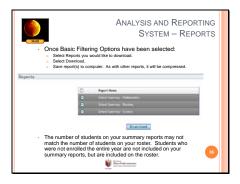














ANALYSIS AND REPORTING SYSTEM -CONFIDENTIALITY

- · Extremely Important!
- The information on MARS is confidential and must be protected from viewing by unauthorized individuals.

 - Idividuals.

 Never leave your browser open to MARS when you are not directly working with the program.

 Always completely close your browser and clear the history when you are done on your school computer or especially on any other computer.
- Also, please remember if you export data or copy & paste data from MARS treat it with confidentiality.



